

# STATE OF COLORADO

John W. Hickenlooper, Governor  
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Executive Director and Chief Medical Officer

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S. Denver, Colorado 80246-1530 Phone (303) 692-2000 Located in Glendale, Colorado	Laboratory Services Division 8100 Lowry Blvd. Denver, Colorado 80230-6928 (303) 692-3090
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Colorado Department  
of Public Health  
and Environment

## **Stroke Advisory Board Work Group Summaries April 22, 2014**

The work groups met for thirty minute sessions via telephone. Those discussion summaries are outlined below. The agenda for the next meeting was created from the following discussions.

### **Next Meeting:**

- Review the goals and plan for the year
- Begin the nomination process for the change in leadership for chair and co-chair positions
- Data:
  - Look at data with five measures
  - Define questions we want answered with data and consider sources for the data
  - Research permissions to publicize facility performance information
- Rural and Urban Care coordination
  - Define questions for RETACS and discuss presentation material
- Treatment and Prevention:
  - Group to review treatment algorithm and standards
- Department to present the draft recognition process
  - Feedback was to primarily display signs and symptoms and advise emergent care
  - Secondly, have the map available as a proactive resource for the community

## Data Registry Work Group

**CDPHE Staff:** Eileen Shelby, Grace Sandeno and Scott Beckley

**Guests Via Telephone:** LeighAnne Creighton, Mary Meyers

**Roll Call/Call to Order:** 1:00 PM

Members	Serving as:	By Phone	Absent
Kevin Burgess	EMS Provider	X	
Coral Cosway	Rep. National Association		X
Nancy Griffith	Statewide Hospital Association	X	
Christina Johnson	Statewide Chap. Emerg. Physician		X
William Jones	Physician Vascular Neurology		X
Michelle Joy	Admin at Rural Hospital		X
Julia Cowan	Rep. Stroke Rehab Facility		X
Mary Ann Orr	Person/Caregiver Stroke Survivor		X
Michelle Reese	Representing CDPHE		X
David Ross	Statewide Assoc. of Physicians		X
Karin Schumacher	Phys/Occup Therapist	X	
Richard Smith	Rep. National Stroke Assoc.	X	
Michelle Whaley	RN in Stroke Care	X	
Mary White	Admin at Urban Hospital		X
Chris Wright	Expert Stroke Database	X	
Donald Frei	Physician Interventional Neuroradiology		X
Unfilled	Primary Care Physician		X
John Hudson	Neurosurgeon		X
Tim Bernard	Neurologist Serving Rural Area		X

The previous session outlined five measures of interest. This discussion involved interest in quality outcome measures which are not readily available. In the past these efforts have been grant funded. That discussion is tabled while the current five measures are explored using hospital discharge data. Scott Beckley is gathering data on tPA usage using drip and ship codes to be presented at the next meeting. Readmission rates and acuity adjusted mortality show to be promising possibilities. Scott Beckley will research the possibility of acuity adjusted measures using discharge data after receiving algorithms from group members' research. Readmission rates are a little more difficult to obtain as this is not tracked if a patient is readmitted into a different hospital system than the original occurrence.

### Next Steps:

Griffith to email algorithms used with acuity adjusted mortality to Scott Beckley

Staff is to pull discharge data and report on the five identified measures

Members are to consider the main questions that gathered data should answer

## Rural and Urban Care Coordination Work Group

**CDPHE Staff:** Eileen Shelby, Grace Sandeno and Scott Beckley

**Guests Via Telephone:** LeighAnne Creighton, Mary Meyers

**Roll Call/Call to Order:** 1:32 PM

Members	Serving as:	By Phone	Absent
Kevin Burgess	EMS Provider	X	
Coral Cosway	Rep. National Association	X	
Nancy Griffith	Statewide Hospital Association		X
Christina Johnson	Statewide Chap. Emerg. Physician		X
William Jones	Physician Vascular Neurology		X
Michelle Joy	Admin at Rural Hospital		X
Julia Cowan	Rep. Stroke Rehab Facility	X	
Mary Ann Orr	Person/Caregiver Stroke Survivor		X
Michelle Reese	Representing CDPHE		X
David Ross	Statewide Assoc. of Physicians	X	
Karin Schumacher	Phys/Occup Therapist	X	
Richard Smith	Rep. National Stroke Assoc.		X
Michelle Whaley	RN in Stroke Care	X	
Mary White	Admin at Urban Hospital		X
Chris Wright	Expert Stroke Database	X	
Donald Frei	Physician Interventional Neuroradiology		X
Unfilled	Primary Care Physician		X
John Hudson	Neurosurgeon		X
Tim Bernard	Neurologist Serving Rural Area		X

The last meeting concluded with the main goal of contacting and coordinating treatment guidelines and education efforts through the RETAC systems. Sandeno with the department is attending the conference in Crested Butte and it is expected that the Stroke Advisory Board will have time for a representative to connect and present. Whaley acknowledged funds will be needed to support coordination efforts with EMS and hospitals. The consensus is to communicate the hope to coordinate treatment and protocols within EMS and rural hospitals and ensure quality improvement processes. Questions for the RETACS include asking for deficiencies in coordination to help establish goals for the Stroke Advisory Board. The previous map Scott Beckley presented will be helpful showing stroke and regional statistics.

Next Steps:

Organize questions for the RETAC meeting in June

Prepare presentation including the previous statistical map shared by Scott Beckley

## Treatment and Prevention Work Group

**CDPHE Staff:** Eileen Shelby, Grace Sandeno and Scott Beckley

**Guests Via Telephone:** LeighAnne Creighton, Mary Meyers

**Roll Call/Call to Order:** 2:04 PM

Members	Serving as:	By Phone	Absent
Kevin Burgess	EMS Provider	X	
Coral Cosway	Rep. National Association		X
Nancy Griffith	Statewide Hospital Association		X
Christina Johnson	Statewide Chap. Emerg. Physician	X	
William Jones	Physician Vascular Neurology	X	
Michelle Joy	Admin at Rural Hospital		X
Julia Cowan	Rep. Stroke Rehab Facility	X	
Mary Ann Orr	Person/Caregiver Stroke Survivor	X	
Michelle Reese	Representing CDPHE		X
David Ross	Statewide Assoc. of Physicians	X	
Karin Schumacher	Phys/Occup Therapist	X	
Richard Smith	Rep. National Stroke Assoc.		X
Michelle Whaley	RN in Stroke Care		X
Mary White	Admin at Urban Hospital		X
Chris Wright	Expert Stroke Database		X
Donald Frei	Physician Interventional Neuroradiology		X
Unfilled	Primary Care Physician		X
John Hudson	Neurosurgeon		X
Tim Bernard	Neurologist Serving Rural Area		X

The treatment and prevention group was charged with designing treatment standards and an algorithm to discuss at this meeting. A draft algorithm was distributed electronically for review. This session was spent organizing the algorithm and requirements to accomplish steps in the flow of care. It is expected that all hospitals in Colorado would be considered stroke-ready currently since they do have CT and tPA available. The consideration is to follow-up with small and rural facilities to establish realistic response time guidelines to perform a CT and have it read whether the expertise is on staff or available by phone or telemedicine. The guidelines are 25 minutes to scan and 45minutes to read. The members understand rural facilities may have special circumstances where these guidelines may not be realistic. The updated algorithm will be posted online and distributed to members. Rehabilitation was addressed and will be added to the algorithm and part of future discussions.

### Next Steps:

Staff is to research current EMS treatment protocols, CT scan and read capabilities

Staff is to connect with Colorado Rural Health to attempt representation at the next meeting

Staff is to continue researching rehabilitation aspects of stroke care in Colorado